PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	HHH	000000000 000000000 0000000000 000 000 000 000	NNN NNN NNN NNN NNN NNN NNN NNN NNN NN	
--	---	---	--	--

_\$2

NN	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	UU	
	\$		

IN

0045

0046

0 %title 'INPUT - Analyze and Act on Input'
0 module input (
1 ident='V04-000') = begin

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Facility: VAX/VMS Telephone Facility, Analyze and Act on Input

Abstract: This module receives all of the terminal input from the user and decides what to do with it. It handles

both conversation text and commands.

Environment:

1 *

Author: Paul C. Anagnostopoulos, Creation Date: 10 November 1980

Modified By:

V03-001 PCA1020 Paul C. Anagnostopoulos 24-May-1983 Support 8-bit characters.

Add PHONE as a synonym for the DIAL command.

VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[PHONE.SRC]INPUT.B32;1

```
16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
INPUT
                   INPUT - Analyze and Act on Input
V04-000
                   Module Declarations
                   "sbttl 'Module Declarations'
                               Libraries and Requires:
                            library 'sys$library:starlet.l32';
library 'sys$library:tpamac.l32';
require 'phonereq';
    58
59
                               Table of Contents:
    forward routine
                                      phn$kbd_route: novalue,
                                      phn$cmd_parse: novalue;
                               External References:
                            external routine
                                       lib$tparse: addressing_mode(general),
                                      phn$answer_cmd,
                                       phn$break_call,
                                       phn$conversing,
                                       phn$dial_cmd,
                                      phn$directory_cmd,
                                      phnSexit_cmd.
phnSfacsimile_cmd.
                                      phn$fresh_screen,
                                      phn$hangup_cmd,
                                      phn$help_cmd.
                                      phn$hold_cmd.
                                      phn$inform,
                                      phn$mail_cmd.
                                      phn$queue_smb,
phn$reject_cmd,
                                      phn$show_text,
                                      phn$transcribe_cmd,
    89
                                      phn$unhold_cmd;
    90
    91
                            external literal
    92
93
94
95
96
97
                                       lib$_syntaxerr;
                               Own Variables:
```

```
IN
```

```
VAX-11 Bliss-32 V4.0-742 PARTICIPATIONEL SECTION PARTICIPATION PARTICIPA
INPUT
                                                    INPUT - Analyze and Act on Input
PHN$KBD_ROUTE - Initial Routing of Input
V04-000
                                                                              %sbttl 'PHN$KBD_ROUTE - Initial Routing of Input'
          99
100
101
102
103
104
105
106
                                                    0425
0427
0427
0427
0433
0433
0433
0433
0438
0438
0443
                                                                                    Functional Description:
This steering message routine is invoked after we collect a bit of input from the keyboard. It splits up the input into conversation text and command text and routes these
                                                                                                         to the appropriate steering routine for further processing.
                                                                                     Formal Parameters:
          108
                                                                                                         input
                                                                                                                                                              Address of descriptor of input.
         110
                                                                                      Implicit Inputs:
                                                                                                         global data
                                                                                      Implicit Outputs:
          114
                                                                                                         global data
          116
                                                                                      Returned Value:
                                                                                                         none
         118
                                                   04448901233455678901234656789012345777789
                                                                                     Side Effects:
         120
121
122
123
124
126
127
128
133
133
133
133
133
133
133
133
133
                                                                              global routine phn$kbd_route(input): novalue = begin
                                                                              bind
                                                                                                          input_dsc = .input: descriptor;
                                                                              OWN
                                                                                                         command_flag: byte initial(false);
                                                                              OWN
                                                                                                          text_buf: vector[80,byte],
                                                                                                                                                                                                                                              ! These variables are OWN due
                                                                                                         buf_i: long;
                                                                                                                                                                                                                                              ! up-level referencing.
                                                                              local
                                                                                                         conversing: byte,
         138
139
                                                                                                         char: byte,
                                                                                                         p: ref pub;
          140
          141
                                                                              bind
                                                                                                        ctrl_w_cmd = describe(%string(%char(ctrl_u,ctrl_w,ret))),
exit_cmd = describe(%string(%char(ctrl_u),'EXII',%char(ret))),
hangup_cmd = describe(%string(%char(ctrl_u),'HANGUP',%char(ret)));
          142
          144
         146
147
148
149
150
151
152
153
154
155
                                                                                      The following routine is called when a collection of characters is ready
                                                                                      to be queued to the appropriate steering message routine. If the collection
                                                                                    is non-empty, we queue a steering message. We also clear the buffer for the next collection.
                                                                              routine queue_collection: novalue = begin
                                                     0480
                                                                              local
                                                                                                         collection_dsc: descriptor;
```

```
INPUT - Analyze and Act on Input
PHN$KBD_ROUTE - Initial Routing of Input
                                                                                                 16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
INPUT
                                                                                                                                     VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
V04-000
                               156
157
158
159
                        0486
0487
    160
    161
162
163
                                 3);
3 retur
2 end;
    164
                                   return:
                                                                                                                            INPUT INPUT - Analyze and Act on Input
                                                                                                                 .TITLE
                                                                                                                            \V04-000\
                                                                                                                 . IDENT
                                                                                                                 .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                        OD 17 15 00000 P.AAB:
                                                                                                                 .ASCII
                                                                                                                            <21><23><13>
                                                                                                                 .BLKB
                                                                                           00004 P.AAA:
                                                                                                                .LONG
                                                                            0000003
                                                                                                                .ADDRESS P.AAB
.ASCII <21>\EXIT\<13>
                                                                            00000000
                                                                                          0000C P.AAD:
00012
00014 P.AAC:
00018
                                                            54 49 58 45
                                                                                                                 .BLKB
                                                                                                                . LONG
                                                                            00000006
                                                                            00000000
                                                                                                                 .ADDRESS P.AAD
                                                                                                                .ASCII <21>\HANGUP\<13>
                                                50
                                                     55 47 4E 41
                                                                               48 15
                                                                                           0001C P.AAF:
                                                                            80000008
                                                                                           00024 P.AAE:
                                                                                                                .LONG
                                                                            00000000
                                                                                           00028
                                                                                                                 .ADDRESS P.AAF
                                                                                                                .PSECT $OWN$, NOEXE, 2
                                                                                          00000 COMMAND_FLAG:
                                                                                                                .BYTE
                                                                                                                            03
                                                                                                                .BLKB
                                                                                           00004 TEXT_BUF:
                                                                                           00054 BUF_1: .BLKB
                                                                                                    CTRL W CMD=
EXIT_CMD=
                                                                                                                                  P.AAA
                                                                                                                           P.AAC
P.AAE
PHNS OK, PHNS ANSWERED
PHNS BUSYCALL, PHNS CANCALL
PHNS CANTREACH, PHNS CONF CALL
PHNS DEAD, PHNS DECNETLINK
PHNS DIRCAN, PHNS FACSCAN
PHNS HELPCAN, PHNS HUNGUP
PHNS JUSTRANG, PHNS LOGGEDOFF
PHNS REJECTED, PHNS RING
PHNS REJECTJUNK
PHNS SENDINGMAIL
PHNS BADCMD, PHNS BADHELP
PHNS BADMAILCMD
PHNS BADSMB, PHNS BADSPEC
PHNS HELPMISSING
PHNS IVREDUNCALL
                                                                                                                                  P.AAC
                                                                                                    HANGUP_CMD=
                                                                                                                .EXTRN
                                                                                                                .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
                                                                                                                 .EXTRN
```

.EXTRN .EXTRN VO

```
INI
```

```
N 1
16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                                  INPUT - Analyze and Act on Input
PHN$KBD_ROUTE - Initial Routing of Input
                                                                                                                                                                                             VAX-11 Bliss-32 V4.0-742 PEDISK$VMSMASTER: [PHONE.SRC]INPUT.B32;1
INPUT
V04-000
                                                                                                                                                                               PHNS LINKERROR, PHNS NEEDUSER
PHNS NOCALL, PHNS NOHOLDS
PHNS NOPROC, PHNS NOTCONV
PHNS NOPROC, PHNS NOTCONV
PHNS ONLYNODE, PHNS PHONEBUSY
PHNS REMOTEERROR
PHNS TARGTERM, PHNS UNPLUGGED
PHNS BADTERM, PHNS SHAREDMBX
PHNS INPUTTERM, PHNSGQ NODE NAME
PHNSGQ SWITCH HOOK
PHNSGL VIEWPORT SIZE
PHNSGB SCROLL, PHNSGQ PUBHEAD
PHNSGB FLAGS, LIBSTPARSE
PHNSANSWER CMD, PHNSBREAK CALL
PHNSCONVERSING, PHNSDIAL TMD
PHNSLIT CMD, PHNSFACSIMILE CMD
PHNSFRESH SCREEN
PHNSHANGUP CMD, PHNSHELP CMD
PHNSHANGUP CMD, PHNSINFORM
PHNSMAIL CMD, PHNSINFORM
PHNSMAIL CMD, PHNSSHOW TEXT
PHNSTRANSCRIBE CMD
PHNSTRANSCRIBE CMD
PHNSUNHOLD CMD, LIBS SYNTAXERR
                                                                                                                                                                .EXTRN
                                                                                                                                                                EXTRN
                                                                                                                                                                .EXTRN
                                                                                                                                                                .PSECT
                                                                                                                                                                               $CODE$,NOWRT,2
                                                                                                                       0004 00000 QUEUE_COLLECTION:
                                                                                                                                                                . WORD
                                                                                                                                                                                                                                                                                    0478
                                                                                                                                                                                 Save R2
                                                                                    52
5E
50
                                                                                                                                                                                BUF_I, R2
#8, SP
BUF_I, R0
                                                                                                   0000
                                                                                                                                                                MOVAB
                                                                                                                                 00007
                                                                                                                  082B02E232422
                                                                                                                                                                SUBL 2
                                                                                                                          DO
13
                                                                                                                                                                                                                                                                                    0483
                                                                                                                                 A0000
                                                                                                                                                                MOVL
                                                                                                                                 0000D
                                                                                                                                                               BEQL
                                                                                                                          BO 0000F
9E 00012
                                                                                                                                                                                                                                                                                    0484
                                                                                                                                                               MOVW
                                                                                                                                                                                 RO, COLLECTION_DSC
                                                                                    6E
                                                                         04
                                                                                                                                                                                TEXT_BUF, COLLECTION_DSC+4
                                                                                    AE
                                                                                                       B<sub>0</sub>
                                                                                                                                                               MOVAB
                                                                                                                          DD 00017
E9 00019
                                                                                                                                                               PUSHL
                                                                                                                                                                                 SP
                                                                                                                                                                                                                                                                                    0486
                                                                                                       AC
                                                                                                                                                                                 COMMAND_FLAG, 1$
                                                                                    04
                                                                                                                                                               BLBC
                                                                                                                          DD 0001D
11 0001F
                                                                                                                                                                                 #3
                                                                                                                                                               PUSHL
                                                                                                                                                               BRB
                                                                                                                                00021 1$:
00023 2$:
00028
                                                                                                                                                               PUSHL
                                                                                                                           DD
                                                                                                                                                                                #2. P
                                                                                                                           FB
                                                                                                                                                               CALLS
                                                                     0000G CF
                                                                                                                                                                                         PHN$QUEUE_SMB
                                                                                                                           04
                                                                                                                                                                                                                                                                                    0488
                                                                                                                                                               CLRL
                                                                                                                                                                                                                                                                                    0491
                                                                                                                                 0002A 3$:
                                                                                                                                                               RET
                                                                Routine Base: $CODE$ + 0000
: Routine Size: 43 bytes,
```

```
IN
```

Page

```
B 2
16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                       INPUT - Analyze and Act on Input
PHN$KBD_ROUTE - Initial Routing of Input
                                                                                                                                   VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
INPUT
V04-000
                                2! The first thing we have
2! If the scroller flag is
2! is in progress. We need
2! and refresh the screen.
                                      The first thing we have to do is check to see what state the screen is in. If the scroller flag is set, some scrolling-type command (e.g., HELP) is in progress. We need to reset the flag to cancel the command,
    167
    168
169
170
171
172
173
174
175
176
177
178
                        0496
0497
0498
0499
0500
                                32);
                       0501
0502
0503
0504
0505
                                Next thing we do is check to see if a message is sitting on the message line. If so, we want to clear it out.
    180
181
182
183
                                0506
                        0508
    184
185
                        0509
                                   ):
                        0510
    186
187
                        0511
                                    ! Another thing we need to check for is whether the user is currently
                       0512
0513
                                   ! ringing someone's phone. If so, we cancel the call immediately.
    188
189
                       0514
0515
                                   190
                       0516
0517
    191
    192
                                   ! Finally, we have to see if a facsimile operation is in progress. ! If so, we cancel it by turning off the flag.
                        0518
                        0519
    194
    195
                        0520
                                2 phn$gv_facsimile = false;
    196
                       0521
```

```
16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                                                                                                                         VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
INPUT
                      INPUT - Analyze and Act on Input
PHN$KBD_ROUTE - Initial Routing of Input
V04-000
    Now we are going to look at the input typed by the user. We will split
                                ! it up into conversation text and command text.
                                 conversing = phn$conversing();
                                 buf_i = 0;
                                 while dec (input_dsc[len]) geq 0 do (
                                            char = ch$rchar_a(input_dsc[ptr]);
                                            command_flag = .command_flag or (not .conversing);
if .command_flag then
                                                         We are in the middle of a command. Process each character:
return
Switch hook
CTRL/W
CTRL/Z
Done with this command, back to talking
Done with this command, start another.
Flush current command & refresh screen.
Flush current command & force EXIT.
                                                                  others
                                                                                        Add to current command.
                                                       selectoneu .char of set
[ret]: (text bu
                                                                             (text_buf[.buf_i] = ret;
inc(buf_i);
                                                                             queue_collection();
                                                                             command_flag = false;);
                                                       inc (buf i);
                                                                             queue_collection(););
                                                       [ctrl_w]:
                                                                             (queue_collection();
                                                                             phn$queue_smb(smb_cmd_parse,ctrl_w_cmd);
command_flag = false;);
                                                       [ctrl_z]:
                                                                              (queue_collection();
                                                                             phn$queue_smb(smb_cmd_parse,exit_cmd);
command_flag = false;);
                      0561
                                                       [otherwise]:
                                                                             (text_buf[.buf_i] = .char;
                      0562
                                                                             inc(buf_i););
                                                       tes
```

IN

............

```
INPUT
                        INPUT - Analyze and Act on Input
PHN$KBD_ROUTE - Initial Routing of Input
                                                                                                   16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                                                                                                                                         VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
                                                                                                                                                                                                 Page
V04-000
    244545478901234567890
242445678901234567890
                                                     else
                        0564
0565
05667
0568
0570
0571
0572
0576
0577
                                                                 The user is entering some conversation text. Process each
                                                                 character as follows:
                                                                                                   Suspend talking, start a new command. Suspend talking, refresh screen. Suspend talking, force HANGUP command.
                                                                           switch hook
                                                                           CTRL/W
                                                                           CTRL/Z
                                                                           others
                                                                                                    Add to conversation text.
                                                              selectoneu .char of set
                                                              0578
0579
0580
                                                              [ctrl_w]:
                                                                                       (queue_collection();
                                                                                       phn$queue_smb(smb__cmd_parse,ctrl_w_cmd););
                        0581
0582
0583
                                                              [ctrl_z]:
                                                                                       (queue_collection();
                                                                                       phn$queue_smb(smb__cmd_parse,hangup_cmd););
    261
262
263
                        0584
0585
                                                              [otherwise]:
                                                                                       (text_buf[.buf_i] = .char;
inc(buf_i););
                        0586
0587
                                                              tes:
    264
265
                         0588
                                     );
    266
267
268
                         0589
                         0590
                                     ! Make sure we queue any final collection we were in the process of building.
                         0591
    269
270
271
272
                        0592
0593
                                     queue_collection();
                                     return;
                        0594
0595
                                     end:
                                                                                                                               PHN$KBD_ROUTE, Save R2,R3,R4,R5,R6,R7,R8
CTRL_W_CMD, R8
PHN$GB_FLAGS, R7
QUEUE_COLLECTION, R6
BUF_I, R5
INPOT, R3
                                                                                      01FC
                                                                                             00000
                                                                                                                    .ENTRY
                                                                                                                                                                                                       0450
                                                                       0000G
                                                                                             00002
                                                             58
57
55
55
57
67
63
                                                                                                                   MOVAB
                                                                                             00007
                                                                                                                   MOVAB
                                                                                  AF
                                                                                        9E
9E
                                                                       0000
                                                                                             0000C
                                                                                                                   MOVAB
                                                                                             00010
                                                                                                                   MOVAB
                                                                                        DO 184 312
                                                                                                                                                                                                       0453
                                                                                             00015
                                                                                                                              #1, PHN$GB_FLAGS, 2$
#2, PHN$GB_FLAGS
#23, (R3), @4(R3)
1$
                                                                                                                   MOVL
                                                                                   AC
01
02
17
                                      17
                                                                                             00019
                                                                                                                   BBC
                                                                                             0001D
                                                                                                                   BICB2
                                                                                                                                                                                                        0498
                               04
                                      B3
                                                                                             00020
                                                                                                                   LOCC
                                                                                                                                                                                                        0499
                                                                                             00025
                                                                                  02
51
51
07
01
67
01
00
                                                                                                                   BNEQ
                                                                                         D4
                                                                                                                   CLRL
                                                                                                                                R1
                                                                                                                               R1
2$
                                                                                             00029 15:
                                                                                                                   TSTL
                                                                                             0002B
                                                                                                                   BNEQ
                                                                                         DD
                                                                                             0002D
                                                                                                                   PUSHL
                                                                                                                                                                                                       0500
                                                                                        FB
E9
8A
                                                                                                                                      PHNSFRESH_SCREEN
GB FLAGS. 3$
                                                  0000G
                                                             CF
08
67
                                                                                             0002F
                                                                                                                   CALLS
                                                                                                                                                                                                       0506
0507
0508
0514
0515
                                                                                                                               PHNSGB FLAGS. 3$
#1, PHNSGB FLAGS
#0, PHNSINFORM
                                                                                             00034
00037
                                                                                                                   BLBC
                                                                                                                   BICB2
```

CF 50 C0

0000G

0000G

00F0

05

FB DO E1

0003A

0003F

CALLS

MOVL

BBC

PHN\$GQ_PUBHEAD, #3, 240(P), 4\$

IN

VO

INPUT - Analyze and A PHN\$KBD_ROUTE - Initi	t on Inpu	t of Inp	ut	1	2 -Sep-19 -Sep-19	84 02:10: 84 12:53:	VAX-11 Bliss-32 V4.0-742 Pag DISK\$VMSMASTER:[PHONE.SRC]INPUT.B32;1	ge 9 (6)
0000G 0000G	CF CF 54	0 0 0 5 6	0 FB 8 8A 0 FB	0004A 0004F 00052	45:	CALLS BICB2 CALLS	#0, PHN\$BREAK_CALL #8, PHN\$GB_FLAGS #0, PHN\$CONVERSING	0516 0521 0525
	54	5	0 FB 0 90 5 D4	00052 00057 0005A		CALLS MOVB CLRL	RÖ, CONVERSING BUF I (R37, R0	
	50	6	5 D4 3 30 0 D7	0005A 0005C	5\$:	CLRL I	(R37, R0	0526 0528
	63	5	0 B0	00061		DECL MOVW TSTL	RO RO, (R3) RO	
		00A	3 18	00064 00066 00068 0006B		BGEQ	6\$ 18 \$	
	52	04 B	3 90 3 06	0006B	6\$:	MOVB	a4(R3), CHAR 4(R3)	0530
	50	04 B 04 A 5 AC A	4 9A 5 9A	00072		MOVZBL	CONVERSING, RO	0532
AC	50 51 50 A5	AC A	1 (A	00079		BICL2	COMMAND_FLAG, R1 R1, R0	
AL.	4F	AC A	0 92 5 E9	00070		BLBC	R1, R0 R0, COMMAND_FLAG COMMAND_FLAG, 13\$ CHAR, #T3	0533
	0D	. 1	2 91	00087		RNEW		0543
00 (50 3540	B0 A	D 90	00089 0008D		MUVB	TEXT_BUF, RO #13, aBUF_I[RO]	
	66	Õ	O FB	00094		CALLS	BUF_I #0QUEUE_COLLECTION 12\$	0544
0000G	DF	5	5 11 2 91	00033	7\$:	CMPB	CHAR, aphn\$GQ_SWITCH_HOOK+4	0546
00	50	B0 A	5 9E	0009E 000A0 000A4 000A9		MOVAB	9\$ TEXT_BUF, RO	0549
00 1	3540	0	90	000A4		MOVB	#13, aBUF_ICRO] BUF_I #0, QUEUE_COLLECTION	0550
	66	0	0 FB	000AE	8\$:	BKB) •	0551
	17	A 5	2 91 7 12	000B3		BNEQ	CHAR, #23 10\$	0553
	66	0	B DD	000B5 000B8		PUSHL I	#0, QUEUE_COLLECTION R8 11\$	0554
	1A	10 AC A	B 11 2 91	000B5 000BA 000BC 000C1 000C4 000C7 000C9 000D1 000D3 000DA 000DD 000E1 000E3	10\$:	CMPB	CHAR, #26 ;	0557
	66	. 0	2 12 0 FB	000BF 000C1		CALLS	17\$ #0, QUEUE_COLLECTION	
		10 A	8 9F 3 DD	000C4 000C7	115:	PUSHL	EXIT_CMD T	0558
0000G	CF	AC A	3 DD 2 FB 5 94	000C9	12\$:	CLRB	#2, PHN\$QUEUE_SMB COMMAND_FLAG	0559
0000G	DF	8	2 91	000D1 000D3	13\$:	BRB CMPB	S\$ CHAR, @PHN\$GQ_SWITCH_HOOK+4	0542
	66 A5	000	9 12 0 FB	80008 A0000		CALLS	14\$ #0, QUEUE_COLLECTION	0575 0576
AC		C	0 FB 1 90 B 11	000DD 000E1		MOVB BRB	#1, COMMAND_FLAG 8\$	0576 0573 0578
	17	5	2 91 7 12	000E3	14\$:	CMPB BNEQ	CHAR, #23	0578
	66	0	0 FB 8 DD B 11	000E8		PUSHL	#O, QUEUE_COLLECTION :	0579
	1A	0 5 0 5	B 11 2 91 F 12	000EF	15\$:	BRB CMPB	16\$ CHAR, #26 17\$	0581

INPUT V04-000	INPUT - Analyze and A PHN\$KBD_ROUTE - Initi	act on Inpu ial Routing	t of Inpu	f 2 16-Sep-1984 02:10 t 14-Sep-1984 12:5	0:30 VAX-11 Bliss-32 V4.0-742 Page 10 3:25 DISK\$VMSMASTER:[PHONE.SRC]INPUT.B32;1 (6)
		66	20 A8	FB 000F4 CALLS 9F 000F7 PUSHAB DD 000FA 16\$: PUSHL	#0, QUEUE_COLLECTION HANGUP_CMD : 0582
	00000		BO A	FB 000FC CALLS 11 00101 BRB 9E 00103 17\$: MOVAB	#3 #2, PHN\$QUEUE_SMB 8\$ TEXT_BUF, R0
	00	B540	56	90 00107 MOVB D6 0010C INCL 11 0010E BRB	CHAR, aBUF_I[R0] BUF_I 8\$: 0585
		66	00	FB 00110 18\$: CALLS 04 00113 RET	#0, QUEUE_COLLECTION : 0592 ; 0595

; Routine Size: 276 bytes, Routine Base: \$CODE\$ + 002B

```
G 2
16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                                                                                                          VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
                  INPUT - Analyze and Act on Input
PHN$CMD_PARSE - Parse a Command
INPUT
V04-000
                            %sbttl 'PHN$CMD_PARSE - Parse a Command'
                  Functional Description:
                                      This steering message routine is invoked when we have part
                                      or all of a command from PHN$KBD_ROUTE. We collect characters until we have a complete command, and then we parse and execute it.
                               Formal Parameters:
                                                         Part or all of a command. Never a null string and
                                      cmd_text
                                                         never parts of two commands.
                               Implicit Inputs:
                                      global data
                               Implicit Outputs:
                                      global data
                               Returned Value:
                                      none
                               Side Effects:
                            global routine phn$cmd_parse(cmd_text): novalue = begin
   301
                            bind
   302
                                      text_dsc = .cmd_text: descriptor;
   304
305
                            OWN
                                      command_buf: vector[80,byte],
   306
307
                                      buf_i: Tong initial(0),
   308
                                      tparse_block: block[tpa$k_length0,byte]
   309
                                                initial(tpa$k_count0,
   310
                                                          tpa$m_blanks + tpa$m_abbrev),
   311
                                      command_proc: long;
                            local
   314
315
                   0636
0637
                                      status: long
                                      command_complete: byte,
   316
317
                   0638
                                      char: byte,
                                      in_quotes: byte, i: long;
```

```
INPUT
V04-000
                                                                                                                                                      VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
                           INPUT - Analyze and Act on Input
PHN$CMD_PARSE - Parse a Command
                                                                                                             16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                                            The following is the parsing table used to analyze a command and determine which command routine to call.
                          0641
0642
0643
06445
0646
0647
0649
0650
     The TRANSCRIBE command has been more or less temporarily removed.
                                         $init_state(command_state,command_key);
                                         Sstate (.
                                                                    (tpa$_blank), (tpa$_lambda)
                                                       );
                          0651
0652
0653
0654
                                         $state
                                                                    (tpa$_eos,tpa$_exit),
(ctrl_w, noarg
('ANSWER', noarg
('DIAL', arg
                                                                                                noargs),
                                                                                                                                                      command_proc),
                                                                                                noargs,,phn$answer_cmd,
                           0655
                                                                                                   args,,phn$dial_cmd,
                                                                      'DIRECTORY',
                           0656
0657
                                                                                                   args, ,phn$directory_cmd,
                                                                       'EXIT
                                                                                                noargs,,phn$exit_cmd,
                                                                      'FACSIMILE'
                           0658
0659
                                                                                                   args, , phn$facsimile_cmd,
                                                                       'HANGUP',
                                                                                                noargs, ,phn$hangup_cmd,
                                                                                               args,,phn$help_cmd,
noargs,,phn$hold_cmd,
args,,phn$mail_cmd,
args,,phn$dial_cmd,
                           0650
                                                                       'HELP'
                                                                      'HOLD'
                           0661
                                                                      'MAIL'
                           0662
                                                                       PHONE !
                                                                       'REJECT'
                           0664
                                                                                                   args,,phn$reject_cmd,
args,,phn$transcribe_cmd,
                                                                      'TRANSCRIBE',
                           0665
                           0666
                                                                       'UNHOLD'
                                                                                                noargs,,phn$unhold_cmd,
                           0667
                                                                                                   args,,phn$dial_cmd.
                                                                                                                                                      command_proc)
                                                                     (tpas_lambda,
                           0668
                                                       ):
                           0669
                          0670
0671
0672
0673
                                                      (noargs
                                         Sstate
     350
                                                                     (tpa$ blank)
     351
                                                                     (tpa$ lambda)
                           0674
0675
0676
                                         $state
     354
355
                                                                     (tpa$_eos,tpa$_exit)
                                                       ):
     356
357
358
                           0677
                           0678
0679
0680
0681
                                                      (args,
                                         Sstate
                                                                     (tpa$_blank,tpa$_exit)
     359
                                                                     (tpa$_lambda,tpa$_exit)
     360
                                                       ):
```

```
INPUT
                                                                                         16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                                                                                                                          VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
                      INPUT - Analyze and Act on Input
                                                                                                                                                                            Page
                      PHNSCMD_PARSE - Parse a Command
V04-000
                              2 ! We begin by displaying the command fragment on the screen.
2 phn$show_text(0,text_dsc);
                      0682
0683
    0684
0685
                      0686
0687
                                   We look at each character that has been passed to us. Note that a
                                    similar analysis has to be done in PHN$SHOW_TEXT. There are the
                      0688
                                    following cases:
                      0689
0690
                                            normal
                                                                  Add character to command.
                                                                  End of the command. Parse & execute it.
                                            return
                      0691
                                                                  Delete last character in command.
                                            delete
                      0692
0693
                                            CTRL/U
                                                                  Flush entire command and start over.
                      0694
0695
0696
0697
0698
                                 command_complete = false;
                                 while dec (text_dsc[len]) geq 0 do (
                                            char = ch$rchar_a(text_dsc[ptr]);
    378
379
                      0699
0700
0701
0702
0703
0704
0705
0706
0707
0708
0709
                                            selectoneu .char of set [%x'20' to %x'7e' ... %x'80' to %x'ff']:
    380
    381
    382
383
384
385
386
387
                                                                   (command_buf[.buf_i] = .char;
                                                                  buf_i = minu(.buf_i+1,79););
                                            [ret]:
                                                                  command complete = true:
                                            [delete]:
                                                                  buf_i = max(.buf_{i-1}, 0);
    388
389
                                                                  buf_i = 0;
                                            [ctrl_u]:
    390
                      0710
                                            tes:
    391
392
393
                      0711
                      0712
0713
                                ):
   394
395
                      0714
0715
                                   If we have a complete command now, we can parse it. All we are interested
                                    in here is the command verb; all arguments will be passed on to the
    396
397
                      0716
0717
                                   command processing routine.
    398
399
400
401
402
403
                      0718
0719
0720
0721
0722
0723
0724
0725
0726
0727
0730
0731
0732
0733
                                 if not .command_complete then
                                            return;
                             2 ! We need to uppercase the comm
2 ! quoted strings should be left
2 in quotes = false;
3 incr i from 0 to .buf_i-1 do (
    if not _in quotes and
                                   We need to uppercase the command for comparison purposes. However, any
                                 ! quoted strings should be left alone.
    404
405
406
407
                                            408
    410
                                ):
    411
   412
                                 tparse_block[tpa$l_stringcnt] = .buf_i;
tparse_block[tpa$l_stringptr] = command_buf;
                                 command_proc = 0;
status = lib$tparse(tparse_block,command_state,command_key);
    414
                      0735
0736
0737
    415
    416
                                 ! If we didn't get a syntax error, we can call the command procedure, passing ! it a descriptor of the command arguments (which it can clobber).
    418
```

V

```
J 2
16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
                                                                                                    VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
INPUT
                  INPUT - Analyze and Act on Input
PHN$CMD_PARSE - Parse a Command
                                                                                                                                              Page 14
V04-000
   else (
                                    check (.status);
if .command_proc nega 0 then
                                              (.command_proc) (tparse_block[tpa$l_stringent]);
                           );
                           ! All done. Clear out command line on screen and reset our buffer.
                           phn$show_text(0,describe(%char(ctrl_u)));
buf_i = 0;
                  0752
0753
0754
                           return;
                           end:
                                                                                     .PSECT _LIB$KEY1$, NOWRT, SHR, PIC,1
                                                                    00000 :TPASKEYSTO
                                                                    00000 TPASKEYST
                                         52 45 57 53 4E
                                                               41
                                                                                     .ASCII
                                                                                              \ANSWER\
                                                                     00006
                                                                                      BYTE
                                                                     00007
                                                                            ; TPASKEYSTO
                                                                           TPASKEYST
                                                  40 41 49
                                                                     00007
                                                               44
                                                                                     .ASCII
                                                                                              \DIAL\
                                                                    0000B
0000C
                                                                FF
                                                                                      BYTE
                                                                            :TPA$KEYSTO
                                                                                     .BLKB
                                                                            U.24:
                                                                     0000C
                           59 52 4F 54 43 45 52 49
                                                                           : TPASKEYST
                                                                                     .ASCII
                                                                            Ú.26:
                                                                                              \DIRECTORY\
                                                                    00015
00016
                                                                                     BYTE
                                                                    00016 : TPA$KEYSTO

0.31: BLKB

00016 : TPA$KEYST

0.33: ASCII
                                                                45
                                                  54 49 58
                                                                                     .ASCII
                                                                                              /EXIT/
                                                                                      BYTE
                                                                           TPASKEYSTO
                                                                     0001B
                                                                                      BLKB
                                                                           : TPASKEYST
                                              49
                                                  53 43 41
                                                                     0001B
                                                                46
                                                                                     .ASCII
                                                                                              \FACSIMILE\
                                                                            U.40:
                                                                     00024
00025
                                                                                     BYTE
                                                                           TPASKEYSTO
                                                                                     .BLKB
                                              55 47 4E 41
                                                                     00025
                                                                           : TPASKEYST
                                                                48
                                                                            U.47:
                                                                                              \HANGUP\
                                                                     0002B
                                                                            : TPASKEYSTO
                                                                            U.52:
                                                                           : TPASKEYST
                                                       40 45
                                                                48
                                                                     0002C
                                                                            U.54:
                                                                                              \HELP\
                                                                                     .ASCII
                                                                                     .BYTE
                                                                                              -1
                                                                     00031 ; TPASKEYSTO
```

......

5F

00000000* 0001A ; TPA\$ADDR

00000000G 0001E : TPA\$MASK

U.20:

.LONG

U.21: .ADDRESS PHN\$DIAL_CMD

<<COMMAND_PROC-U.20>-4>

LI VO

	1	4-Sep-1984 12:53:	DISKSVMSMASTER: [PHONE.SRC] INPUT. B32;1	(9)
0000*	00022	:TPASTARGET	ZZII 22_II 275_25	
7102	00024	: TPASTYPE	< <u.22-u.23>-2> ;</u.22-u.23>	
00000000*	00026	:TPA\$ADDR	28930 ;	
0000000G	0002A	; TPA\$MASK	< <command_proc-u.28>-4> ;</command_proc-u.28>	
0000*	0002E	; TPA\$TARGET	PHN\$DIRECTORY_CMD ;	
7103	00030	: TPASTYPE	< <u.22-u.30>-2> ;</u.22-u.30>	
00000000*	00032	: TPA\$ADDR	28931 ;	
0000000G	00036	; TPA\$MASK	< <command_proc-u.35>-4></command_proc-u.35>	
0000*	0003A	; TPA\$TARGET	PHN\$EXIT_CMD :	
7104	0003C	: TPASTYPE	< <u.7-u.37>-2> ;</u.7-u.37>	
00000000*	0003E	U.41: .WORD	28932 :	
0000000G	00042	U.42: LONG	< <command_proc-u.42>-4></command_proc-u.42>	
			PHN\$FACSIMILE_CMD ;	
7105			< <u.22-u.44>-2> ;</u.22-u.44>	
		U.48: .WORD	28933 :	
			< <command_proc-u.49>-4></command_proc-u.49>	
	00052	U.50: .ADDRESS	PHN\$HANGUP_CMD :	
7106	00054	U.51: .WORD	< <u.7-u.51>-2> ;</u.7-u.51>	
			28934 :	
		U.56: LONG	< <command_proc-u.56>-4> ;</command_proc-u.56>	
		U.57: .ADDRESS	PHN\$HELP_CMD ;	
		TPASTARGET U.58: WORD	< <u.22-u.58>-2> ;</u.22-u.58>	
7107		TPASTYPE	28935 ;	
*00000000		U.63: .LONG	< <command_proc-u.63>-4> ;</command_proc-u.63>	
0000000G		U.64: .ADDRESS	PHN\$HOLD_CMD :	
	0006A	U.65: .WORD	< <u.7-u.65>-2> :</u.7-u.65>	
7108	00060	U.69: .WORD	28936 :	
00000000*		U.70: .LONG	< <command_proc-u.70>-4></command_proc-u.70>	
		TPASMASK U.71: .ADDRESS	PHN\$MAIL_CMD ;	
0000*	00076	; TPASTARGET		

```
INPUT - Analyze and Act on Input
PHN$CMD_PARSE - Parse a Command
```

```
M 2
16-Sep-1984 02:10:30 VAX-11 Bliss-32 V4.0-742 Page 17
14-Sep-1984 12:53:25 DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1 (9)
```

L1 VO

7109	00078	U.72: WORD	< <u.22-u.72>-2></u.22-u.72>		:
		U.76: .WORD	28937		:
00000000*		U.77: .LONG	< <command_proc-u.77>-4></command_proc-u.77>		;
00000000		U.78: .ADDRES	S PHNSDIAL_CMD		:
	00082	U.79: .WORD	< <u.22-u.79>-2></u.22-u.79>		
710A	00084	TPASTYPE U.83: .WORD	28938		
06300000*	00086	TPASADDR U.84: LONG	< <command_proc-u.84>-4></command_proc-u.84>		
00000000	0008A	: TPASMASK	S PHNSREJECT_CMD		
0000*	0008E	; TPASTARGET			
710B	00090		< <u.22-u.86>-2></u.22-u.86>		•
00000000*	00092		28939		
00000000	00096	U.91: LONG	< <command_proc-u.91>-4></command_proc-u.91>		:
0000*	0009A	U.92: .ADDRES	SS PHN\$UNHOLD_CMD		:
75F6		U.93: .WORD	< <u.7-u.93>-2></u.7-u.93>		:
00000000*		U.94: .WORD	30198		:
		U.95: .LONG	< <command_proc-u.95>-4></command_proc-u.95>		:
00000000		U.96: .ADDRES	SS PHN\$DIAL_CMD		:
0000*	000A6	U.97: .WORD	< <u.22-u.97>-2></u.22-u.97>		:
	8A000	U.7: .BLKB	0		
01F.2	8A000	TPASTYPE U.99: .WORD	498		
05F6	000AA	TPASTYPE U.100: .WORD	1526		
15F7	000AC	;TPASTYPE U.101: .WORD	5623		
FFFF	000AE	; TPA\$TARGET	-1		
	000B0				
11F2	000B0		0		
FFFF	000B2		4594		
15F6	000B4	U.104: .WORD	-1		:
FFFF	000B6	U.105: .WORD	5622		:
		U.106: .WORD	-1		:
		.PSECT	_LIB\$KEYO\$, NOWRT, SHR,	PIC,1	
	00000	COMMAND_KEY::			

```
16-Sep-1984 02:10:30
14-Sep-1984 12:53:25
INPUT
                   INPUT - Analyze and Act on Input
PHN$CMD_PARSE - Parse a Command
                                                                                                           VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[PHONE.SRC]INPUT.B32;1
                                                                                                                                                       Page
V04-000
                                                                        00000 :TPA$KEYO
                                                                 0000* 00000 TPASKEY
                                                                                                    <U.9-U.1>
                                                                                TPASKEY
                                                                 0000* 00002
                                                                                                    <U.16-U.1>
                                                                 0000* 00004 :TPA$KEY
                                                                                                    <U.24-U.1>
                                                                 0000* 00006 :TPA$KEY
                                                                                                    <U.31-U.1>
                                                                 0000* 00008 :TPA$KEY
                                                                                          . WORD
                                                                                                    <U.38-U.1>
                                                                 0000* 0000A :TPA$KEY
                                                                                          . WORD
                                                                                                    <U.45-U.1>
                                                                 0000* 0000C ;TPA$KEY U.53:
                                                                                          . WORD
                                                                                                    <U.52-U.1>
                                                                 0000* 0000E ; TPA$KEY
                                                                                U.60:
                                                                                          . WORD
                                                                                                    <U.59-U.1>
                                                                 0000* 00010 ; TPA$KEY
                                                                                U.67:
                                                                                          . WORD
                                                                                                    < 0.66-0.1>
                                                                 0000+ 00012 ;TPA$KEY
                                                                                          . WORD
                                                                                                    <U.73-U.1>
                                                                 0000* 00014 :TPA$KEY U.81:
                                                                                          . WORD
                                                                                                    <U.80-U.1>
                                                                 0000+ 00016 :TPASKEY U.88:
                                                                                          . WORD
                                                                                                    <U.87-U.1>
                                                                                          .PSECT
                                                                                                   $PLIT$, NOWRT, NOEXE, 2
                                                                         0002C P.AAH:
                                                                                                   <21>
                                                                    15
                                                                                          .ASCII
                                                                                          .BLKB
                                                                        00030 P.AAG:
                                                             00000001
                                                                                          .LONG
                                                             00000000
                                                                        00034
                                                                                          .ADDRESS P.AAH
                                                                                          .PSECT $OWN$, NOEXE, 2
                                                                         00058 COMMAND_BUF:
                                                                                                   80
                                                                                          .BLKB
                                                                         000A8 BUF I: .LONG
000AC TPARSE_BLOCK:
                                                             00000000
                                                                                          .LONG
                                                            00000008
                                                00000003
                                                                                                   8,
                                                                                          .LONG
                                                                                                       3
                                                                                          BLKB
                                                                         000B4
                                                                         00000 COMMAND_PROC:
                                                                                          .BLKB
                                                                                          .PSECT
                                                                                                  $CODE$, NOWRT, 2
                                                                                                   PHN$CMD_PARSE, Save R2,R3,R4
BUF_I, R4
CMD_TEXT, R2
                                                                   001C 00000
                                                                                                                                                           0621
                                                                                          .ENTRY
                                               54
52
                                                        0000
                                                                         00002
                                                                                          MOVAB
                                                                     DŌ
                                                                                                                                                           0624
0684
                                                                         00007
                                                                                          MOVL
                                                                AC
52
7E
02
53
                                                                     DD
D4
                                                                         0000B
                                                                                                   R2
                                                                                          PUSHL
                                                                         00000
                                                                                                   -(SP)
                                                                                          CLRL
                                                                     FB
94
                                                                         0000F
                                       0000G
                                                                                                   #2, PHN$SHOW_TEXT
                                              CF
                                                                                          CALLS
                                                                                                                                                           0694
                                                                         00014
                                                                                          CLRB
                                                                                                   COMMAND_COMPLETE
```

VC

PUT INPUT - 4-000 PHN\$CMD	Analyze and PARSE - Pars		and				:30 VAX-11 Bliss-32 V4.0-742 :25 DISK\$VMSMASTER:[PHONE.SRC]INPUT.B3	
		50 62	62 50 50 50 54 82 04 82 51	3C 00016 D7 00019 B0 0001E 19 00022 06 00029 1F 00028 91 00034 1F 00038 91 00038 91 00047 1B 00059 91 00059 91 00059 91 00059 91 00059 91 00060	1\$:	MOVZWL DECL MOVW	(R2), R0 R0, (R2) R0, (R2) R0	: 069
		51	04 B2 04 A2	19 00020 90 00022 06 00026 91 00029		MOVW TSTL BLSS MOVB INCL CMPB BLSSU MOVB BLEQU MOVB ADDL3 CMPL BLEQU MOVZBL	8\$ @4(R2), CHAR 4(R2)	069
	7E	20 8F	51 06 51	91 00029 1F 0002C 91 0002E		CMPB BLSSU CMPB	a4(R2), CHAR 4(R2) CHAR, #32 2\$ CHAR, #126	070
	80	8F	06 51 06 51 10	1B 00032 91 00034 1F 00038	2\$:	CMPB RI SSII	3\$ CHAR, #128	
	00	50 B440	BO A4	9E 0003A 90 0003E c1 00043	3\$:	MOVAB MOVB_	COMMAND BUF, RO CHAR, aBUF_I[RO]	070
	50 0000004F	64 8F	BO A4 51 01 50 1E 4F 8F 18	C1 00043 D1 00047 1B 0004E		ADDL3 CMPL BLEQU	COMMAND BUF, RO CHAR, aBUF_I[RO] #1, BUF_I, RO RO, #79 6\$ #79, RO	070
		50 0D	51	9A 00050 11 00054 91 00056	45:	MOVZBL BRB CMPB	#79, R0 6\$ CHAR, #13	070
		53	05 01 86 51	12 00059 90 0005B		BRB CMPB BNEQ MOVB BRB	%1, COMMAND COMPLETE	
	7F	8F	51 0D	11 0005E 91 00060 12 00064	5\$:	CMPR	1\$ CHAR, #127 7\$	070
	50	64	0D 01 02 50 50 A3 51 9E 9A 53	12 00064 C3 00066 18 0006A D4 0006C		BNEQ SUBL3 BGEQ CLRL MOVL	7\$ #1, BUF_I, R0 6\$ R0	
		64	50 A3	00 0006E	6\$:	MOVL BRB CMPB	1\$	
		15	51 9E 64	91 00073 12 00076 04 00078	7\$:	CMPB BNEQ CLRL	CHAR, #21 1\$ BUE I	: 070
		01	9A 53	D4 0006C D0 0006E 11 00071 91 00078 12 00076 D4 00078 11 0007A E8 0007C 04 00080 CE 00082 11 00085 E8 00087 91 00088 1F 00098 8A 0009A D4 000AP 12 000AP 12 000AE D0 000B2	8\$:	BRB	BUF_I 1\$ COMMAND_COMPLETE, 9\$	069
		50	52 01 27 52	94 00080 CE 00082	9\$:	RET CLRB MNEGL	IN_QUOTES	072
	61	16 8F	80 A440	11 00085 E8 00087 91 0008A	10\$:	BRB BLBS CMPB	IN_QUOTES #1, I 13\$ IN_QUOTES, 11\$ COMMAND_BUF[I], #97 11\$	072
	7A	8F	BO A440 BO A440	1F 00090 91 00092		BLSSU CMPB	COMMAND_BUFLIJ, #122	
	В0	A440	B0 A440 06 20 8F 51	8A 0009A 04 000A0	115:	BICB2 CLRL	#-224, COMMAND_BUF[I]	072 072
		22	BO A440 02 51	91 000A2 12 000A7		CMPB BNEQ	COMMAND_BUF[I], #34	
	D5	52 50 A4 A4	51	8C 000AB	12\$: 13\$:	BRB BLBS CMPB BLSSU CMPB BGTRU BICB2 CLRL CMPB BNEQ INCL XORB2 AOBLSS	R1, IN_QUOTES BUF_I, IO\$ BUF_I, TPARSE_BLOCK+8 COMMAND_BUF, TPARSE_BLOCK+12 COMMAND_PROC COMMAND_KEY COMMAND_STATE	072
	0C 10	A4 A4	80 A4 28 A4 0000' CF	DO 000B2 9E 000B6 D4 000BB 9F 000BE 9F 000C2		MOVL MOVAB CLRL PUSHAB	COMMAND BUF, TPARSE_BLOCK+12	07 07 07 07

INPUT V04-000	INPUT - Analyze and Ac PHN\$CMD_PARSE - Parse	t on Input a Command		16-Sep-19 14-Sep-19	084 02:10 084 12:53	:30 VAX-11 Bliss-32 V4.0-742 :25 DISK\$VMSMASTER:[PHONE.SRC]IN	PUT.B32;1 (9)
	0000000G 0000000G	00 52 8F	A4 9 03 F 50 D 52 D 1 8F 01 F	F 000C6 B 000C9 0 000D0 1 000D3 2 000DA D 000DC B 000E2 1 000E7 8 000E9 14\$:	PUSHAB CALLS MOVL CMPL BNEQ PUSHL CALLS	TPARSE_BLOCK #3, LIB\$TPARSE R0, STATUS STATUS, #LIB\$_SYNTAXERR 14\$	0740
	0000G	CF 00000000G		D 000DC B 000E2 1 000E7	CALLS BRB	#1 PRNSINFORM 16\$	0741
	00000000G	09 00 50 28	18 1 ED F D 1 P P D F D 1 P P P P P P P P P P P P P P P P P P	B 000EE 0 000E5 15%:	BLBS PUSHL CALLS MOVL	STATUS, 15\$ STATUS #1, LIB\$SIGNAL COMMAND_PROC, RO	0743
		60 0000°	A4 9 01 F CF 9	3 000F9 F 000FB B 000FE F 00101 16\$:	BEQL PUSHAB CALLS PUSHAB	16\$ TPARSE_BLOCK+8 #1, (R0) P.AAG	0745 0750
	0000G	CF		4 00105 B 00107 4 0010C 4 0010E	CLRL CALLS CLRL RET	-(SP) #2, PHN\$SHOW_TEXT BUF_I	0751 0754
Routine Size	271 bytes, Routine	Base: \$CODE\$	+ 013	F			
435	0755 1 0756 0 end eludom						
					.EXTRN	LIB\$SIGNAL	
		PSECT SUMMARY					
Name	Bytes			Attributes			
SOWNS SPLITS SCODES		56 NOVEC, NOWI	RT, R	D , NOEXE , NOSHR D , NOEXE , NOSHR D , EXE , NOSHR D , EXE , SHR D , EXE , SHR	LCL.	REL, CON,NOPIC,ALIGN(2) REL, CON,NOPIC,ALIGN(2) REL, CON,NOPIC,ALIGN(2) REL, CON, PIC,ALIGN(1)	

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32:1 _\$255\$DUA28:[SYSLIB]TPAMAC.L32:1	9776 42	24	57	581 14	00:00.7 00:00.1

INPUT V04-000

INPUT - Analyze and Act on Input PHN\$CMD_PARSE - Parse a Command

D 3 16-Sep-1984 02:10:30 14-Sep-1984 12:53:25

VAX-11 Bliss-32 V4.0-742 Page 21 DISK\$VMSMASTER:[PHONE.SRC]INPUT.B32;1 (9)

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: INPUT/OBJ=OBJ\$: INPUT MSRC\$: INPUT/UPDATE=(ENH\$: INPUT)

; Size: 590 code + 556 data bytes ; Run Time: 00:16.8 ; Elapsed Time: 01:03.8 ; Lines/CPU Min: 2703 ; Lexemes/CPU-Min: 87343 ; Memory Used: 200 pages ; Compilation Complete

V

0305 AH-BT13A-SE

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